

Section-B

Note: Answer any NINE of the following questions. Each question carries 04 marks.

- Q.2 Define the function of Mini Compute.
- Q.3 What is the difference between Low-level language and High-level language?
- Q.4 Define different types of Scanner?
- Q.5 What is the difference between Dynamic and Static RAM?
- Q.6 What is Number System?
- Q.7 What is EBCDIC (Extended binary coded Decimal Interchange code)?
- Q.8 What is logical operator?
- Q.9 Define Sum of Product (SoP).
- Q.10 What is the function of Interpreter?
- Q.11 What is the difference between Internal and External Commands in DOS?
- Q.12 Explain any TWO of the following DOS Commands.
VER _ MKDIR _ TYPE _ PATH
- Q.13 Convert the following into required bases.
(a) $(42153)_8 = (?)_2$ (b) $(3AC8)_{16} = (?)_{10}$

Section-C

Note: Answer any THREE of the following questions. Each question carries 08 marks.

- Q.14 What is Application Software? Also explain the types of Application Software.
- Q.15 Explain briefly Charles Babbage's Difference Engine.
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- Q.16 Write notes on the following.
(a) Truth table (b) ABACUS
- Q.17 What are the Laws of Boolean Algebra?
- Q.18 What is DeMorgan's theorems? Also prove that theorems.